

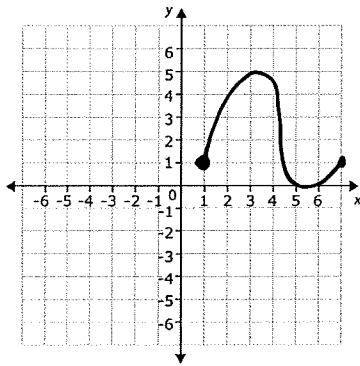
What is a Function?

A function is something that must pass the **vertical line test (VLT)**. The vertical line test simply means we pass a vertical line across our graph and then we have two possibilities:

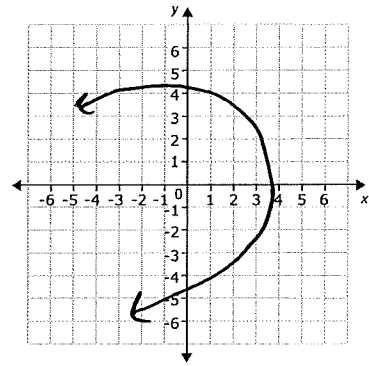
- 1) The vertical line touches the graph at only one spot at a time = It is a function! OR
- 2) The vertical line touches the graph more than once at a certain time = It is not a function.

Ex1: Decide whether the following are functions or not by using the vertical line test.

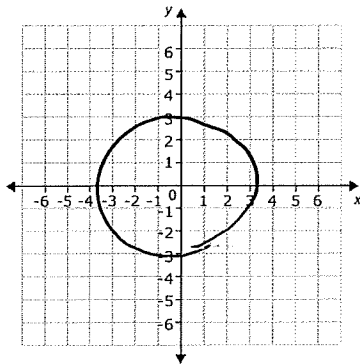
a)



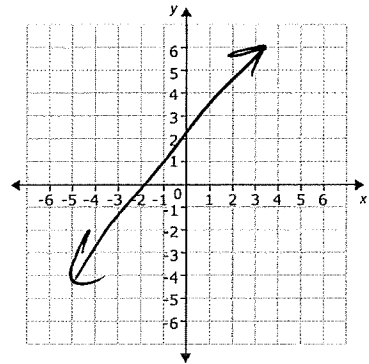
b)



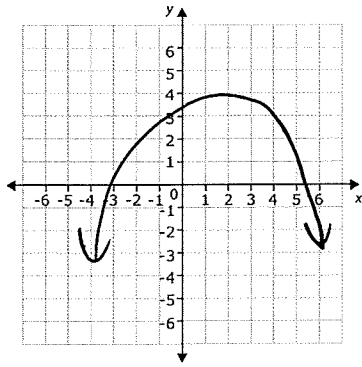
c)



d)



e)



f)

